

Densit® WearFlex 500

Chemically Bonded Quartz-Ceramic

Densit® WearFlex 500 wear resistant linings provide excellent protection against moderate wear at temperatures up to 400°C (750°F).

Consumption at 25 mm	
Densit® WearFlex 500	59 kg/m ²
Densit® Anchoring mesh	1 m ² /m ²
Densit® Curing Compound	0.25 l/m ²
Consumption at 40 mm	
Densit® WearFlex 500	94 kg/m ²
Densit® Anchoring mesh	1 m ² /m ²
Densit® Curing Compound	0.25 l/m ²

DENSIT® WEARFLEX 500

- Install mesh
- Mix dry compound for 1 minute
- Add water and mix for 8 minutes
- Trowel mix onto mesh
- Apply Densit® Curing Compound
- For more details refer to the "Densit® WearFlex Manual"

Densit® WearFlex 500 is a trowellable one-component ready-mix delivered in 25 kg bags.

Product must be kept completely dry until used.

A paddle mixer must be used for mixing the compound. A significant change in consistency of the material (from a dry powder to wet mortar) must be observed within 3 minutes from addition of water.

Avoid making contact with aluminium or galvanized steel when using Densit® compound. Densit® WearFlex 500 should be installed on a standard expanded metal mesh welded on the steel casing.

Technical Data



The figures given are typical values.
The dry mortar is quality inspected in accordance with the Densit ISO 9001:2000 certified by Lloyd's Register Quality Assurance.

Please contact Wear-Concepts for further information.

PROPERTIES	Standard	Densit® WearFlex 500
Density	kg/m ³ (lb/ft ³)	EN 1015-6 2400 (150)
Compressive strength	MPa	EN 12190 100
Flexural strength	MPa	EN 196-1 16
Dynamic E-modul	MPa	EN 70-80 10 ³
Casting shrinkage	vol. %	0.2
Thermal conductivity	w/m°C	1.5
Coeff. of thermal expansion 1/°C (1/°F)	EN 1770	10x10 ⁻⁶ (5.6x10 ⁻⁶)
Heat capacity	KJ/kg°C	0.9-1.0
Max. service temperature	°C (°F)	400 (750)
Abrasion resistance	cm ³ /50cm ²	DIN 52108 2.5-3.5
Erosive resistance	min/cm ³	55
Chemical composition	% CaO % SiO ₂ % Al ₂ O ₃ +TiO ₂ % Fe ₂ O ₃ % Cr ⁶⁺	EN 196-10 18 80 1 <0.2 <0.0002
Bag size	kg	25
Pallet size	kg	1250

Your Complete Resource for
Innovative Wear Solutions

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